

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-8 (canceled).

Claim 9 (new): A radio receiver comprising:

a radio receiver circuit that receives a radio signal in which a carrier is modulated using a transmission signal;

a local oscillation circuit that oscillates a local oscillation signal;

a demodulation circuit that demodulates the transmission signal on the basis of the radio signal and the local oscillation signal; and

an oscillation frequency control circuit that repeatedly sweeps an oscillation frequency of the local oscillation circuit without stopping over a frequency bandwidth that is equal to or greater than the width of a frequency drift in a carrier frequency of a radio transmitter that transmits the radio signal or over a frequency bandwidth that is equal to or greater than the width of a frequency drift in the oscillation frequency of the local oscillation circuit.

Claim 10 (new): The radio receiver according to Claim 9, wherein the transmission signal is a digital data signal including an error correction code.

Claim 11 (new): The radio receiver according to Claim 9, wherein the transmission signal is a digital data signal in which codes having identical content are repeated within a repetition period in which the oscillation frequency control circuit sweeps the oscillation frequency.

Claim 12 (new): The radio receiver according to Claim 11, wherein the oscillation frequency control circuit linearly changes the oscillation frequency within the repetition period in which the oscillation frequency control circuit sweeps the oscillation frequency.

Claim 13 (new): The radio receiver according to Claim 9, wherein the radio receiver circuit includes an aerial wire which receives the radio signal.

Claim 14 (new): The radio receiver according to Claim 9, wherein the local oscillation circuit includes a voltage-controlled 38 MHz oscillator that oscillates the local oscillation signal and a frequency multiplier that multiplies the local oscillation signal by eight.

Claim 15 (new): The radio receiver according to Claim 9, further comprising a mixer circuit that mixes the local oscillation signal with the carrier.

Claim 16 (new): The radio receiver according to Claim 9, wherein the carrier has a frequency of about 315 MHz.

Claim 17 (new): The radio receiver according to Claim 9, wherein the local oscillation circuit includes a PLL synthesizer.

Claim 18 (new): A radio transmitter comprising:
an oscillation circuit that oscillates a high-frequency signal functioning as a carrier;
a modulation circuit that modulates the carrier using a transmission signal to produce a radio signal;
a radio transmitter circuit that transmits the radio signal; and
an oscillation frequency control circuit that repeatedly sweeps an oscillation frequency of the oscillation circuit without stopping over a frequency bandwidth that is equal to or greater than the width of a frequency drift in a local oscillation frequency of a

radio receiver that receives the radio signal or over a frequency bandwidth that is equal to or more than the width of a frequency drift in the oscillation frequency of the oscillation circuit.

Claim 19 (new): The radio transmitter according to Claim 18, wherein the transmission signal is a digital data signal including an error correction code.

Claim 20 (new): The radio transmitter according to Claim 18, wherein the transmission signal is a digital data signal in which codes having identical content are repeated within a repetition period in which the oscillation frequency control circuit repeatedly sweeps the oscillation frequency of the oscillation circuit.

Claim 21 (new): The radio transmitter according to Claim 20, wherein the oscillation frequency control circuit linearly changes the oscillation frequency within the repetition period in which the oscillation frequency control circuit sweeps the oscillation frequency.

Claim 22 (new): The radio transmitter according to Claim 18, wherein the carrier has a frequency of about 315 MHz.